

Oral Presentation Session I (11:15 AM - 12:15 PM)**Science and Society I - Room 103AB**

Abstract ID	Title	Presenter	Time
A01	Analysis of location, feedstock availability, and economic contributions of a mass timber manufacturing plant in Michigan.	Naresh Khanal	11:15 AM - 11:30 AM
A02	Habitat suitability modeling of the blacklegged ticks <i>Ixodes scapularis</i> in Michigan, USA	Vishvapali (Viva) Kobbekaduwa	11:30 AM - 11:45 AM
A03	The relationship between self-stigma and goals among college students with disabilities	Anni Wang	11:45 AM - 12:00 PM
A04	How Urban Primacy Results in More Percentage of Informal Settlements in the Cities of the Global South	Sahel Izadi	12:00 PM - 12:15 PM

Sustainability I - Room 104AB

Abstract ID	Title	Presenter	Time
A05	Removing cigarettes off the shelf: impact of retailer stop selling cigarettes in-store on smokers' behavior	Seung Yeon Jung	11:15 AM - 11:30 AM
A06	Innovative solutions to Midwest Road problems	Mohammad Wasif Naqvi	11:30 AM - 11:45 AM
A07	Climate Change Adaptation: The Tourism Industries of the Northwestern Region of Michigan USA	Clayton Sigmann	11:45 AM - 12:00 PM
A08	Evaluation of Bridge Deck Winter Weather Warning System	Sagar Keshari	12:00 PM - 12:15 PM

Innovative Ideas I - Room 105AB

Abstract ID	Title	Presenter	Time
A09	Diversity of Habitats Supports a Diversity of Life History Traits in Juvenile Chinook Salmon (<i>Oncorhynchus tshawytscha</i>)	Sara Hugentobler	11:15 AM - 11:30 AM
A10	Orange Peel Powder as a Filler for Plastic Films for Food Packaging Applications: A Case Study in Bread	Haile Dugoma	11:30 AM - 11:45 AM
A11	Evaluating the Accuracy of a Kinetic Model to Predict Evaporation of Ignitable Liquids for Forensic Fire Debris Applications	Hannah J LaVoie	11:45 AM - 12:00 PM
A12	Predicting Biodiesel Spill Composition by Principal Component Regression (PCR)	William H. Shirley	12:00 PM - 12:15 PM

Oral Presentation Session II (2:00 PM - 3:00 PM)**Science and Society II - Room 103AB**

Abstract ID	Title	Presenter	Time
A13	The Future of Data Storage Devices: Single-Molecule Magnets	Rashmi Jena	2:00 PM - 2:15 PM
A14	Liposome-based Gold Glyco-nanoparticles for SERS Molecular Imaging in Breast Cancer Cells	A K M Atique Ullah	2:15 PM - 2:30 PM
A15	Catalyst Dependent Synthesis of Albumin-Ceria Nanoparticles Controls Particle Valence State and Macrophage Differentiation	Kay Hadrick	2:30 PM - 2:45 PM
A16	Phototheranostic Effects of Extracellular Vesicle-Coated Nanoparticles for Glioblastoma Treatment	Meghan Hill	2:45 PM - 3:00 PM

Sustainability II - Room 104AB

Abstract ID	Title	Presenter	Time
A17	Effects of spatial and temporal variations in plant emergence on maize (<i>Zea mays</i> L.) yield components across multiple farmers' fields	Susana Albarenque	2:00 PM - 2:15 PM
A18	Assessing the prospects of biochar production using low-value biomass toward building a bioeconomy in Michigan	Nafisa Nowshin Ahmed	2:15 PM - 2:30 PM
A19	Standardizing the seed preparation for biomethane potential measurement	Meicai Xu	2:30 PM - 2:45 PM
A20	Modelling mid-western corn yield response to phosphorus fertilizer in Michigan	Sampriti Sarkar	2:45 PM - 3:00 PM

Innovative Ideas II - Room 105AB

Abstract ID	Title	Presenter	Time
A21	In-Cell Solid-State NMR Analysis of Biopolymer Contacts in Secondary Cell Walls of Woody Plants	Debkumar Debnath	2:00 PM - 2:15 PM
A22	Identifying Fusion Peptides in the SARS-CoV-2 S2 Protein	Noel Chau	2:15 PM - 2:30 PM
A23	Immune cells drive the sex difference in pain recovery	Jaewon Sim	2:30 PM - 2:45 PM
A24	Where do pathology and cognitive decline meet in Alzheimer's disease?	Betul Kara	2:45 PM - 3:00 PM

Oral Presentation Session III (3:15 PM - 4:15 PM)**Science and Society III - Room 103AB**

Abstract ID	Title	Presenter	Time
A25	Opportunities for community-based tourism in El Yunque National Forest (Puerto Rico) - "step zero" field-based analysis.	Tatiana Iretskaia	3:15 PM - 3:30 PM
A26	The Effectiveness of Misinformation Corrective Strategies and Implications for Consumers' Food Preferences and Policy Attitudes	Lin Lin	3:30 PM - 3:45 PM
A27	Biopolitics and Ethnography: Understanding Agent Orange Exposure Experiences in U.S. Vietnam War-era Veterans	Abigail E. Buchanan	3:45 PM - 4:00 PM
A28	Modifying First Amendment Freedom of Speech Doctrines in the Age of Online Communications.	Sam Weiser	4:00 PM - 4:15 PM

Growing Knowledge III - Room 104AB

Abstract ID	Title	Presenter	Time
A29	Statistical Tools to Distinguish Structurally Similar Fentanyl Analogs	Isaac C. Willis	3:15 PM - 3:30 PM
A30	Modifying small proteins to create a novel protein-electrode sensing interface	Sunanda Dey	3:30 PM - 3:45 PM
A31	Humanized Protein Sponges- a new approach for Opioid Overdose treatment	Ishita Chandra	3:45 PM - 4:00 PM
A32	Excitation Energy Transfer Pathways in Intact Cyanobacterial Phycobilisomes	Sourav Sil	4:00 PM - 4:15 PM

Sustainability III - Room 105AB

Abstract ID	Title	Presenter	Time
A33	Peri-Urbanisation in India: A Meta-Analysis of the Literature Published between 2000 and 2022	Abhinav Kapoor	3:15 PM - 3:30 PM
A34	Well-Being And Stress Among College Students with Disabilities: The Impact Role Of Character Strengths	Anni Wang	3:30 PM - 3:45 PM
A35	Quarter-Tone Systems and Harmony in "Superinstrument No. 3" (2022) by Joshua Haugen	Joshua Haugen	3:45 PM - 4:00 PM
A36	Labor market discrimination in Bangladesh: Experimental evidence from the job market of college graduates	Sibir Ahmad	4:00 PM - 4:15 PM

Innovative Ideas III - Willy Room

Abstract ID	Title	Presenter	Time
A37	Designing tasks to characterize and support student understanding of complex chemical phenomena by engaging them in causal mechanistic reasoning	Kriti Seth	3:15 PM - 3:30 PM
A38	Postoperative cognitive dysfunction: a review of current evidence and a critical appraisal	Hesam Varpaei	3:30 PM - 3:45 PM
A39	3D Reconstruction of Tart Cherry Tree Using Ground Penetrating Radar (GPR) and Advanced Algorithms	John Salako	3:45 PM - 4:00 PM
A40	Evaluating tart cherry pit extracts for antioxidant and anti-inflammatory function as a feed additive using RAW 264.7 cells.	Haylee Reisinger	4:00 PM - 4:15 PM

Abstract ID	Poster Presentations - Centennial Room ABC (2:00 PM - 4:15 PM)	Presenter
P01	MicroRNA-10b as a therapeutic target in feline metastatic mammary carcinoma	Alan Halim
P02	Knowledge and Skills of Volunteer Staff Regarding Hypertension at a Free Urban Clinic	Amy Slotten
P03	Investigating the Role of Mast Cells in Vesicating Chemical Agent Induced Skin Injury	Andrew Roney
P04	The effects of Vitamin D supplementation on testosterone levels in men: a review of clinical trials	Kamal Safah, Muaaz Wajahath, Frass Ahmed
P05	Arthroscopic Repair of a McKeever Type III Tibial Spine Avulsion Fracture in a Skeletally Mature Female with Concomitant ACL Repair and Internal Brace	Marquisha Myles
P06	A Nature-Immersive Virtual Reality Intervention for Rural Caregiver Respite: A Mixed-Methods Pilot Study	Arienne Patano
P07	Towards a large animal model of human ovarian cancer	Khaleel Quasem and Cody Townsley
P08	Pediatric residents' confidence and perceived barriers to administering the human papillomavirus (HPV) vaccine	MacKenzie Taylor
P09	Responding to Energy Insecurity in Arctic Housing Using Community-Based Participatory Research	Christiana Kiesling
P10	Synthesizing Forestry Images Conditioned on Plant Phenological Attribute Using Generative Adversarial Network	Debasmita Pal
P11	The Scope, Trends, and Challenges of Neurosurgical Research in Nigeria: A Bibliometric Review.	Ehita Nkem Oboh
P12	Investigation of the potential of copper redox shuttles	Eric Firestone
P13	Do Distractions Affect the Occurrence of Safety-Critical Events? A comparison of Trends at Intersections using Naturalistic Driving Data	Gagan Gupta
P14	Macrolides for the Treatment of Bullous Pemphigoid	Henry Zou
P15	Early Cell-Cell Coupling Impairs Stem Cell Retention when Co-cultured with Hypoxic Cardiomyocytes	Jack Tietema
P16	Origins of Dispersion Forces in Molecular Hydrogen	Nathan Jansen
P17	Impact of Chronic Pregnancy Stress on Tyrosine Hydroxylase mRNA Expression in the Rat Midbrain Dorsal Raphe Nucleus	Sanjana Venkataraman
P18	Altered Mental Status in an Octogenarian: How Frequently Serotonin Syndrome Should Be Kept in Mind?	Kristin Konja
P19	Determining Effectiveness of Evidence-Based Education and Interventions for Fall Prevention in Long-Term Care	Lauren Adams-Sanantonio
P20	Investigating the oxidative boost of <i>S. pactum</i> ACT12 LPMOs on cellulose depolymerization	Louisa Ellis
P21	Unlocking a Smoother Ride: Mitigating Pavement Damage with Engineered Water Repellency	Md Fyaz Sadiq
P22	Optimal Graph Filters for clustering attributed graphs	Meiby Ortiz-Bouza
P23	Anatomy-Focused Exercise Videos to Combine Studying with Wellness	Michael Knox
P24	Numerical Study of Spatially Developing Supersonic Turbulent Shear Layer	Muhammad Rubayat Bin Shahadat
P25	Identifying the prospect of biochar production using forest biomass for building a circular bio-economy in Michigan	Nafisa Nowshin Ahmed
P26	Analysis of location, feedstock availability, and economic contributions of a mass timber manufacturing plant in Michigan.	Naresh Khanal
P27	Targeting miR-10b to suppress breast cancer stemness and metastasis	Nasreen Al-Qadi
P28	Effect of Microwave Drying on Salmonella Inactivation and Quality Attributes of Red Chili Pepper	Natoovina Faliarizao
P29	Improving the participation of diverse residential buildings in demand-side management	Patricia Guillante
P30	Interaction-Aware Trajectory Planning for Autonomous Vehicles with Analytic Integration of Neural Networks into Model Predictive Control	Piyush Gupta
P31	Investigation of Copper Complexes for Dye Sensitized Solar Cells	Samhita Kaushik
P32	Solubility Trends in Pyridinium Salts for Non-Aqueous Organic Redox Flow Batteries	Sharmila Samaroo
P33	Experiencing Agamon Hula Valley Nature and Ornithology Park (Israel) as self-reported by different cultures.	Tatiana Iretskaia
P34	Predicting Biodiesel Spill Composition by Principal Component Regression (PCR)	William H. Shirley
P35	Proper treatment and management of post-cardiotomy refractory vasospasm	Caleb Weissman
P36	Surgical aortic valve replacement outcomes in patients turned down from transcatheter aortic valve replacement	Caleb Weissman
P37	Renal Recovery in Patients with Type B Aortic Dissections Who Underwent Aortic Stent Placement: A Retrospective Review	Caleb Weissman
P38	Visualization and Elucidation of Fungal Cell Wall Structure Using Solid State NMR.	Anand Jacob
P39	In-Cell Solid-State NMR Analysis of Biopolymer Contacts in Secondary Cell Walls of Woody Plants	Debkumar Debnath

Abstract ID	Three-Minute Thesis (3MT) - Big Ten Room A (4:30 PM - 5:00 PM)	Presenter
T01	Catalyst Dependent Synthesis of Albumin-Ceria Nanoparticles Controls Particle Valence State and Macrophage Differentiation	Kay Hadrick
T02	RNA-seq of dry beans (<i>Phaseolus vulgaris</i> L.) with contrasting cooking times placed in temperate and tropical storage conditions	Hannah Jeffery
T03	Understanding movement by means of haptic augmented feedback	Joey Wijffels
T04	Multiphotonic Image Reconstructions for Gamma Tracking Detectors	Jose Blanco
T05	Preventing Roadway Damage with Smart Wicking Geotextile	Md Fyaz Sadiq
T06	Structural Brain Networks: The Miniature Cities of the Brain	Melinda Meiring
T07	Evaluating the prospects of biomass procurement for biochar production towards building a circular bio-economy in Michigan	Nafisa Nowshin Ahmed
T08	The Future of Data Storage Devices: Single-Molecule Magnets	Rashmi Jena